

To Capita Marketing Ltd.
170-12868 Clarke Place
Richmond, BC V6V 2H1 Canada

REPORT #: 1394287

Sample Number: 4554982

DATE: 2023-07-10

RECEIVED: 2023-06-28

MITSUWA OCEAN BLUE NMN; Lot #: JUN Exp. Date: 16.06.2026

Test	Specification	Test Result	Method	Date	Loc.
Loss on Drying			SOP6_18		
LOSS ON DRYING	≤ 7 %	0.405 %		2023-06-29	EDM
Nicotinamide			CLIENTS_METHOD_HPLC UV		
NICOTINAMIDE MONONUCLEOTIDE	160 ≤ Result ≤ 240 mg/capsule	219 mg/capsule		2023-07-05	EDM
NICOTINAMIDE MONONUCLEOTIDE:ID	Equal to Positive	Positive		2023-07-05	EDM
USP<467> Residual Solvents			SOP6_571_CLASSES		
BENZENE	N/A	MQL <2.0 ppm		2023-07-07	EDM
CARBON TETRACHLORIDE	N/A	MQL <4.0 ppm		2023-07-07	EDM
1,2-DICHLOROETHANE	N/A	MQL <5.0 ppm		2023-07-07	EDM
1,1-DICHLOROETHENE	N/A	MQL <8.0 ppm		2023-07-07	EDM
1,1,1-TRICHLOROETHANE	N/A	MQL <1500 ppm		2023-07-07	EDM
ACETONITRILE	N/A	MQL <410 ppm		2023-07-07	EDM
CHLOROBENZENE	N/A	MQL <360 ppm		2023-07-07	EDM
CHLOROFORM	N/A	MQL <60.0 ppm		2023-07-07	EDM
CUMENE	N/A	MQL <70.0 ppm		2023-07-07	EDM
CYCLOHEXANE	N/A	MQL <3880.0 ppm		2023-07-07	EDM
1,2-DICHLOROETHENE	N/A	MQL <1870.0 ppm		2023-07-07	EDM
1,2-DIMETHOXYETHANE	N/A	MQL <100.0 ppm		2023-07-07	EDM
N,N-DIMETHYLACETAMIDE	N/A	MQL <1090.0 ppm		2023-07-07	EDM
N,N-DIMETHYLFORMAMIDE	N/A	MQL <880.0 ppm		2023-07-07	EDM
1,4-DIOXANE	N/A	MQL <380.0 ppm		2023-07-07	EDM
2-ETHOXYETHANOL	N/A	MQL <160.0 ppm		2023-07-07	EDM
ETHYLENE GLYCOL	N/A	MQL <620.0 ppm		2023-07-07	EDM
FORMAMIDE	N/A	MQL <220.0 ppm		2023-07-07	EDM
HEXANE	N/A	MQL <290.0 ppm		2023-07-07	EDM

Raw data are archived by Labstat dba Labs-Mart. Results shown relate only to samples submitted and tested.

Labstat dba Labs-Mart assumes no liability for the use of the results by any party.

Testing may be completed at other Certified Group locations.

Statement of conformity only applies to tests currently presented on our scope of accreditation. All required parts of the standard (17025) applicable to a test laboratory are met. Accreditation is location and parameter specific. The tests listed in this report may not be included in the current scope of accreditation.

The sample(s) were provided by the customer as listed on this report and therefore results reported apply to the samples as received.

Page 1 of 4

This analytical test report shall not be reproduced, except in full, without written permission from Labstat dba Labs-Mart

To Capita Marketing Ltd.
170-12868 Clarke Place
Richmond, BC V6V 2H1 Canada

REPORT #: 1394287

Sample Number: 4554982

DATE: 2023-07-10

RECEIVED: 2023-06-28

MITSUWA OCEAN BLUE NMN; Lot #: JUN Exp. Date: 16.06.2026

Test	Specification	Test Result	Method	Date	Loc.
METHANOL	N/A	MQL <3000.0 ppm		2023-07-07	EDM
2-METHOXYETHANOL	N/A	MQL <50.0 ppm		2023-07-07	EDM
METHYLBUTYLKETONE	N/A	MQL <50.0 ppm		2023-07-07	EDM
METHYLCYCLOHEXANE	N/A	MQL <1180.0 ppm		2023-07-07	EDM
METHYLENE CHLORIDE	N/A	MQL <600.0 ppm		2023-07-07	EDM
METHYLISOBUTYLKETONE	N/A	MQL <4500.0 ppm		2023-07-07	EDM
N-METHYLPYRROLIDONE	N/A	MQL <530.0 ppm		2023-07-07	EDM
NITROMETHANE	N/A	MQL <50.0 ppm		2023-07-07	EDM
PYRIDINE	N/A	MQL <200.0 ppm		2023-07-07	EDM
SULFOLANE	N/A	MQL <160.0 ppm		2023-07-07	EDM
TETRAHYDROFURAN	N/A	MQL <720.0 ppm		2023-07-07	EDM
TETRALIN	N/A	MQL <100.0 ppm		2023-07-07	EDM
TOLUENE	N/A	MQL <890.0 ppm		2023-07-07	EDM
TRICHLOROETHYLENE	N/A	MQL <80.0 ppm		2023-07-07	EDM
XYLENE	N/A	MQL <2170.0 ppm		2023-07-07	EDM
ACETIC ACID	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ACETONE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ANISOLE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
1-BUTANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
2-BUTANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
BUTYL ACETATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
TERT-BUTYLMETHYL ETHER	N/A	MQL <5000.0 ppm		2023-07-07	EDM
DIMETHYL SULFOXIDE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ETHANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ETHYL ACETATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ETHYL ETHER	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ETHYL FORMATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
FORMIC ACID	N/A	MQL <5000.0 ppm		2023-07-07	EDM

Raw data are archived by Labstat dba Labs-Mart. Results shown relate only to samples submitted and tested.

Labstat dba Labs-Mart assumes no liability for the use of the results by any party.

Testing may be completed at other Certified Group locations.

Statement of conformity only applies to tests currently presented on our scope of accreditation. All required parts of the standard (17025) applicable to a test laboratory are met. Accreditation is location and parameter specific. The tests listed in this report may not be included in the current scope of accreditation.

The sample(s) were provided by the customer as listed on this report and therefore results reported apply to the samples as received.

Page 2 of 4

This analytical test report shall not be reproduced, except in full, without written permission from Labstat dba Labs-Mart

To Capita Marketing Ltd.
170-12868 Clarke Place
Richmond, BC V6V 2H1 Canada

REPORT #: 1394287

Sample Number: 4554982

DATE: 2023-07-10

RECEIVED: 2023-06-28

MITSUWA OCEAN BLUE NMN; Lot #: JUN Exp. Date: 16.06.2026

Test	Specification	Test Result	Method	Date	Loc.
HEPTANE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ISOBUTYL ACETATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
ISOPROPYL ACETATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
METHYL ACETATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
3-METHYL-1-BUTANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
METHYLETHYLKETONE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
2-METHYL-1-PROPANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
PENTANE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
1-PENTANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
1-PROPANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
2-PROPANOL	N/A	MQL <5000.0 ppm		2023-07-07	EDM
PROPYL ACETATE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
TRIETHYLAMINE	N/A	MQL <5000.0 ppm		2023-07-07	EDM
<u>MICRO</u>					
TOTAL PLATE COUNT	≤ 3000 CFU/g	<10 CFU/g	SOP_6_503_A	2023-07-05	EDM
YEAST & MOLD	≤ 100 CFU/g	<10 CFU/g	SOP_6_503_A	2023-07-05	EDM
S. AUREUS	Equal to Negative	Negative	SOP_6_503_A	2023-07-05	EDM
SALMONELLA	Equal to Negative	Negative	SOP_6_503_A	2023-07-05	EDM
E. COLI	Equal to Negative	Negative	SOP_6_503_A	2023-07-05	EDM
<u>Capsule Weight</u>					
SERVING SIZE	N/A	201.06 mg		2023-06-29	EDM
<u>Heavy Metals</u>					
ARSENIC	N/A	<0.0300 ppm	SOP6_358	2023-07-06	EDM
CADMIUM	N/A	<0.0200 ppm		2023-07-06	EDM
LEAD	N/A	<0.0200 ppm		2023-07-06	EDM
MERCURY	N/A	<0.0200 ppm		2023-07-06	EDM

Raw data are archived by Labstat dba Labs-Mart. Results shown relate only to samples submitted and tested.

Labstat dba Labs-Mart assumes no liability for the use of the results by any party.

Testing may be completed at other Certified Group locations.

Statement of conformity only applies to tests currently presented on our scope of accreditation. All required parts of the standard (17025) applicable to a test laboratory are met. Accreditation is location and parameter specific. The tests listed in this report may not be included in the current scope of accreditation.

The sample(s) were provided by the customer as listed on this report and therefore results reported apply to the samples as received.

To Capita Marketing Ltd.
170-12868 Clarke Place
Richmond, BC V6V 2H1 Canada
[REDACTED]

REPORT #: 1394287

Sample Number: 4554982
[REDACTED]

DATE: 2023-07-10

RECEIVED: 2023-06-28

MITSUWA OCEAN BLUE NMN; Lot #: JUN Exp. Date: 16.06.2026 [REDACTED]

References

HPLC-UV (Client's method)

SOP 6_503_A Modified from USP <2021>/<2022> and validated on 2018-12-21

Unless reported on this Certificate of Analysis, suitability testing is not performed.

SOP 6_571: GC-MS, Class I: Benzene to 1,1,1-Trichloroethene, Class II: Acetonitrile to Xylene, Class III: Acet acid to Propyl acetate

SOP6_18: Loss on Drying by Oven/Ash Content

SOP6_358: ICP-MS based on USP <232>/<233>


Testing Locations:

EDM: Labstat dba Labs-Mart Edmonton

Prepared by


Julie Harrison, Account Manager

Approved by


Rhiannon Morgan, Manager-Chemistry

Date 2023-07-10

Raw data are archived by Labstat dba Labs-Mart. Results shown relate only to samples submitted and tested.

Labstat dba Labs-Mart assumes no liability for the use of the results by any party.

Testing may be completed at other Certified Group locations.

Statement of conformity only applies to tests currently presented on our scope of accreditation. All required parts of the standard (17025) applicable to a test laboratory are met. Accreditation is location and parameter specific. The tests listed in this report may not be included in the current scope of accreditation.

The sample(s) were provided by the customer as listed on this report and therefore results reported apply to the samples as received.

Page 4 of 4

This analytical test report shall not be reproduced, except in full, without written permission from Labstat dba Labs-Mart